



TYPE AB FINE ARTS AIRBRUSH



Airpainting by Alberto Varga, the master painter of the contemporary American girl.

The AB fine arts airbrush is the finest instrument obtainable. A sensitive rocking lever action provides easy and positive control of the atomized color from a small dot to the sharpest line, which may be gradually widened by lever action to the color pattern desired.

Panel effects, contrasts, stone, metal and cloth textures are but a few of the great variety of textures that are made with the AB airbrushes and the skill of the artists.

With a round deep cup and replaceable needle bearing, the improved design makes conversion from easel position to drawing board position a simple adjustment. The specially shaped cup holds more color with less possibility of spilling. A drop of color at the point of the cup is all that is needed for many important jobs.

The AB airbrush will not clog with opaque colors. India inks, printer inks or dyes can also be used without the slightest injury to the airbrush. However, colors should not be left to dry in the color cup. High grade colors will produce the best results.

Practice is of utmost importance to acquire skill and to create the many fine artistic effects possible in freehand air drawings, mechanical and photo retouching.

OPERATION: It is important to have clean, dry air to insure best results and work. 6'M Manual Air Moisture Condenser Unit or 12'A Automatic Air Moisture Condenser Unit is of sufficient capacity to provide clean and instantly regulated air pressure at all times for several airbrushes. Regulate air pressure to about 25 lbs.

After attaching air hose to the compressor or air outlet, blow out any foreign matter that may be in the air hose or airline, then screw AC20 1/4"-40 thread coupling securely onto 2-A128 valve casing. Check all hose and pipe connections to make sure there are no air leaks. When cup is new it is necessary to start flow of color by using a stiff brush to push the color into the needle slot, or by pressing the thumb over the entire cup opening in a pumping action, thus feeding color to the needle slot. Repeat this action until color flows freely in the slot of 7-A177 needle bearing.

Airbrush should be held so that the needle is parallel to the surface of work. Press 19-A121 finger button straight down with index finger, in which position the airbrush will produce a fine line when held near the working surface. To widen the spray draw the airbrush gradually away from the surface. For shading and ground laying, the airbrush should be held away from the surface, the amount of color depending on how far back the



Noted artist Fred Lorenz uses type AB on effective cigarette poster illustration for national advertising campaign.

finger lever is pulled.

Practice finger movement until familiar with action of the airbrush and the distance it should be held from the work to obtain the desired width of the color to be applied.

IMPORTANT ADJUSTMENTS: 10-A142 needle guide holds the needle in alignment. This should be adjusted to guide the needle in the bearing, not too tight (as this will cause friction) and not too loose (as this will permit needle to vibrate. The needle should move freely to produce the finest line, graduating into a wider atomized pattern according to the various positions of the finger lever.

20-A60 lever adjusting screw regulates the needle so that it can always be set to start with the finest line. By turning 20-A60 screw to the right, needle is brought forward to start with a heavier line.

11-A116 needle is one of the most important parts of the airbrush, as results produced depend on the fineness of the needle point. Needles are shaped, bent and cut to fit and are easily replaced. The needles are packed in special holders to protect the fine point of the needles, required for finest detail work protection and care must be taken that the point is always kept straight. A bent needle will cause frayed lines. When changing the needle, use tweezers and place bent end down in 12-A107 walking arm slot and into groove below. Press needle under 10-A142 needle guide and gently place point of needle into 7-A177 needle bearing slot without bending it. For removing, reverse procedure. A fine line depends upon the point and the position of the finger lever.

6-A101 air blast jet must always be set so that air blast will center the needle. Proper alignment of the air blast with the needle will produce a fine line and smooth spray. If air jet 6-A101 orifice is clogged the spray will be coarse. Clean by removing air blast and blow out any foreign material.

1-A140 speed regulating screw controls the speed of the wheel and the needle. Regulate for fast or slow feed of color.

5-A146 stipple adjusting screw controls the volume of air released. By turning this screw to the right, a stipple effect can be produced. By varying the position of this screw, the texture of the stipple can be controlled from a very fine to a coarse stipple which requires a very low air pressure and heavy color to create stipple.

8-A179 color cup is adjustable for drawing board or easel use. To change the position of the color cup,

tilt cup to desired position with fingers. Color cup screw 9-A160 should be tight at all times. Adjust the air blast if necessary, to center the needle.

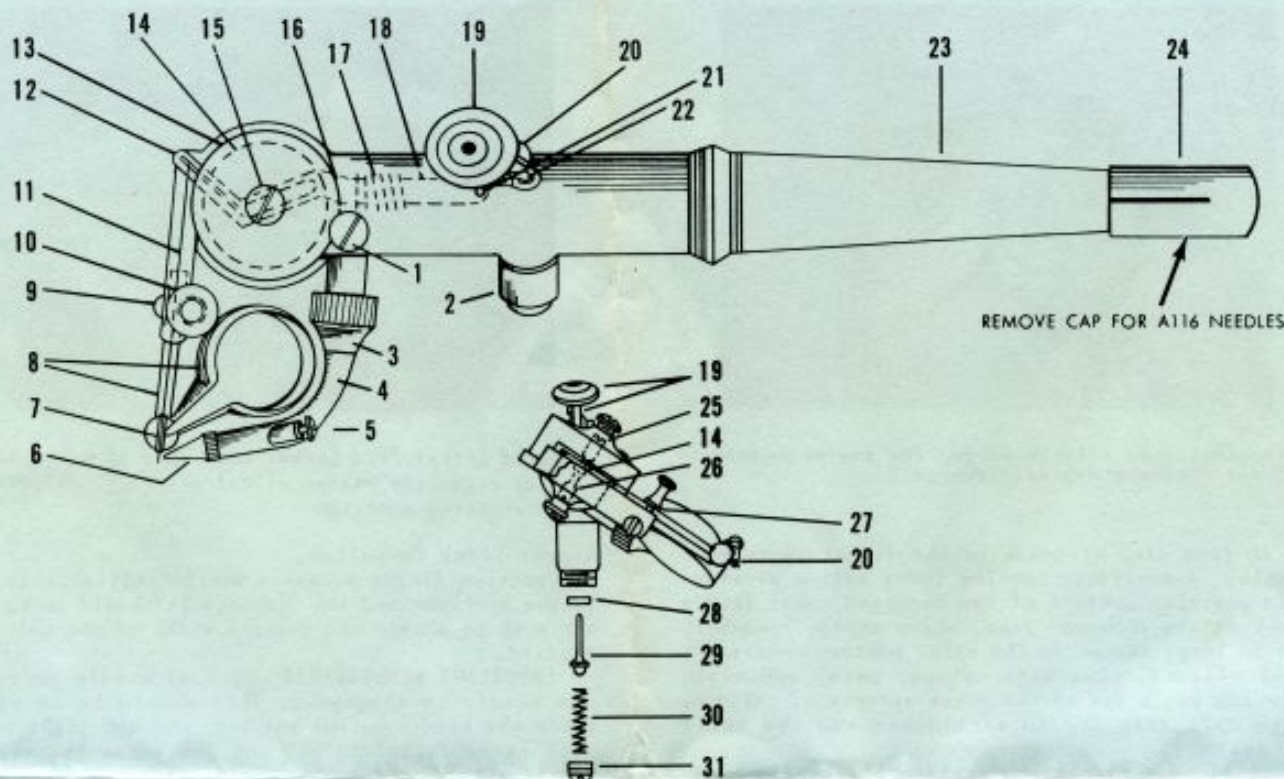
7-A177 needle bearing is removable, when worn out, press out and insert a new bearing. Place in alignment with slot.

CARE AND CLEANING: For cleaning use a bristle brush saturated with solvent for color used. After soaking until the dry color has dissolved, empty color cup by placing the bristle between 6-A101 air blast jet and

the 7-A177 needle bearing. Then operate the finger lever to create a suction to draw the remaining fluid from the cup. Dry with air pressure before putting airbrush away.

15-A114 self-feeding grease cup should be kept filled with vasoline lubricant. 10-A142 needle guide should also be lubricated, so that the needle may run without friction.

This airbrush is not suitable for use with alcohol or lacquer colors.



AB AIRBRUSH REPLACEMENT PARTS

ITEM	PART NO.	DESCRIPTION	PRICE	ITEM	PART NO.	DESCRIPTION	PRICE
1	A140	Speed Regulating Screw	\$.25	23	A161	Handle	\$1.25
2	A128	Valve Casing	1.25	24	VL118	Protecting Cap	.40
3	A139	Air Blast Tube Locknut	.15	25	A133	Top Shaft Bearing	1.75
4	A138	Air Blast Tube	2.10	26	A154	Bottom Shaft Bearing	1.60
5	A146	Stipple Adjuster	.40	27	A143	Needle Guide Spring	.15
6	A101	Air Blast Jet	1.25	28	A52	Valve Washers, per doz.	.60
7	A177	Needle Bearing	2.00	29	H21A	Valve Plunger *	.20
8	A179	Color Cup Assembly	7.50	30	A22	Valve Spring	.15
9	A160	Color Cup Screw	.15	31	A23A	Valve Nut	.15
10	A142	Needle Guide	.90				
11	A116	Needle, per doz.	2.25				
12	A107	Walking Arm	3.50				
13	A131	Wheel Housing	2.50				
14	A172	Power Wheel & Shaft Assembly *	4.25				
15	A114	Self-Feeding Grease Cup	.15				
16	A105	Walking Arm Shaft	1.25				
17	A105	Walking Arm Spring	.15				
18	A104	Walking Arm Plunger	.90				
19	A121	Finger Lever & Button	.95				
20	A60	Lever Adjusting Screw	.25				
21	A58	Lever Pivot	.60				
22	A14	Air Lever Fork	2.75				

MINIMUM BILLING \$2.50

For further information write service department.

PART NO.	ACCESSORIES	
A-1/8"-6'	Air Hose with Couplings	1.67
A34	Airbrush Hanger	.20
A64	Screw Driver	.30
A117	Tweezers	.15
AB	Case (free with Airbrush)	2.00
AC-1/8"-1/4"	Coupling	.45
AC20-1/8"-1/4"	Angle Coupling	.50
HF-1/4"	Line Valve	1.95

* To be fitted at the factory

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